

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
(Use as many sheets as necessary)				Attorney Docket Number	029440.00009
Sheet	1	of	6		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
BA	GB-1554193-A		10-17-1979	Boehringer Sohn Ingelheim	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
Sheet	2	of	6	Attorney Docket Number	029440.00009

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	ALVAREZ-BARRIENTOS, Alberto et al., "Applications of Flow Cytometry to Clinical Microbiology"; CLINICAL MICROBIOLOGY REVIEWS, April 2000, p. 167-195.		T ²
	CB	AMANN, R.I., "Fluorescently labelled, rRNA-targeted oligonucleotide probes in the study of microbial ecology"; MOLECULAR ECOLOGY 1995, Vol. 4, pp. 543-554.		
	CC	BARER, Michael R., et al., "Bacterial Viability and Culturability"; ADVANCES IN MICROBIAL PHYSIOLOGY, Vol. 41, 1999, pages 93-137.		
	CD	BIRK, Ruth et al., "Synthesis of Isopropyl-1-Thio-β-D-Glucopyranoside (IPTGlc), an Inducer of <i>Aspergillus niger</i> B1 β-Glucosidase Production"; APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY; Vol. 66, 1997, pages 25-30; Humana Press, Inc.		
	CE	BREEUWER, Peter et al., "Characterization of Uptake and Hydrolysis of Fluorescein Diacetate and Carboxyfluorescein Diacetate by Intracellular Esterases in <i>Saccharomyces cerevisiae</i> , Which Result in Accumulation of Fluorescent Product"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; April 1995; Vol. 61, No. 4, pages 1614-1619.		
	CF	COCITO, Carlo et al., "Paratuberculosis"; CLINICAL MICROBIOLOGY REVIEWS; July 1994; Vol. 7, No. 3; pages 328-345.		
	CG	DASSY, B., et al., "Production of type 5 capsular polysaccharide by <i>Staphylococcus aureus</i> grown in a semi-synthetic medium"; JOURNAL OF GENERAL MICROBIOLOGY (1991); Vol. 137; pages 1155-1162.		
	CH	DAVEY, Hazel M., et al., "Flow Cytometry and Cell Sorting of Heterogeneous Microbial Populations: the Importance of Single-Cell Analyses"; MICROBIOLOGICAL REVIEWS; Dec. 1996; Vol. 60, No. 4; pages 641-696.		
	CI	DUDLEY, Richard F., "The Ciba Corning ACS: 180™ Automated Immunoassay System", Vol. 14, No. 2, Summer 1991.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
Sheet	3	of	6	Attorney Docket Number 029440.00009	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CJ	GARCIA-ARRESTO, M.R., et al., "Modern microbiological methods for foods: Colony count and direct count methods. A review"; MICROBIOLOGIA SEM, Vol. 9 (1993), pages 1-13.		T ²
	CK	GRANT, Irene R., et al., "Isolation of <i>Mycobacterium paratuberculosis</i> from Milk by Immunomagnetic Separation"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Vol. 64, No. 9; September 1998; pages 3153-3158.		
	CL	GREGORI, Gerald et al., "Resolution of Viable and Membrane-Compromised Bacteria in Freshwater and Marine Waters Based on Analytical Flow Cytometry and Nucleic Acid Double Staining"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 67, No. 10, October 2001; pages 4662-4670.		
	CM	HAUGLAND, Richard P., "Detecting Enzymatic Activity in Cells Using Fluorescent Substrates"; BIOTECHNIC & HISTOCHEMISTRY, Vol. 70, No. 5.; 1995; pages 243-251.		
	CN	HOUSE, Deborah, et al., "Typhoid fever: pathogenesis and disease"; CURRENT OPINION IN INFECTIOUS DISEASES 2001; 14:573-578.		
	CO	HUMBERT, F., et al., "Rapid identification of <i>Salmonella</i> from poultry meat products by using 'Mucap test'", INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY; 8 (1989); 79-83; Elsevier Science Publishers B.V.		
	CP	IANNELLI, Domenico, et al., "Simultaneous Identification of Antibodies to <i>Brucella abortus</i> and <i>Staphylococcus aureus</i> in Milk Samples by Flow Cytometry"; JOURNAL OF CLINICAL MICROBIOLOGY; Vol. 36, No. 3, March 1998; pages 802-806.		
	CQ	KRAMER, Pamela A. et al., "Media Selective for <i>Listeria monocytogenes</i> "; J. APPL. BACT.; Vol. 32, pages 381-394.		
	CR	LOPEZ-AMOROS, R., et al., "Flow Cytometric Assessment of <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> Starvation-Survival in Seawater Using Rhodamine 123, Propidium Iodide, and Oxonol"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 61, No. 7; July 1995; pages 2521-2526.		
	CS	MANAFI, M., "New developments in chromogenic and fluorogenic culture media"; INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY; Vol. 60; 2000; pages 205-218.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
Sheet	4	of	6	Attorney Docket Number	029440.00009

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CT	MASON, D.J., et al., "The ability of membrane potential dyes and calcafluor white to distinguish between viable and non-viable bacteria"; JOURNAL OF APPLIED BACTERIOLOGY 1995; Vol. 78; pages 309-315.		T ²
	CU	McCLELLAND, R.G. et al., "Detection of <i>Salmonella typhimurium</i> in Dairy Products with Flow Cytometry and Monoclonal Antibodies"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 60, No. 12; December 1994; pages 4255-4262.		
	CV	MOTER, Annette, et al., "Fluorescence in situ hybridization (FISH) for direct visualization of microorganisms"; JOURNAL OF MICROBIOLOGICAL METHODS, Vol. 41, 2000; pages 85-112.		
	CW	NEBE-VON CARON, G., et al., "Viability assessment of bacteria in mixed populations using flow cytometry**"; JOURNAL OF MICROSCOPY; Vol. 179, Pt. 1; July 1995; pages 55-66.		
	CX	NEDERGAARD, N., et al., "Dicarboxy-Dichlorofluorescein: A New Fluorescent Probe for Measuring Acidic Intracellular pH"; ANALYTICAL BIOCHEMISTRY; Vol. 187; 1990; pages 109-114.		
	CY	NOTERMANS, Serve H.W., et al., "Phosphatidylinositol-Specific Phospholipase C Activity as a Marker To Distinguish between Pathogenic and Nonpathogenic <i>Listeria</i> Species"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 57, No. 9; September 1991; pages 2666-2670.		
	CZ	OLSSON, Margaretha, et al., "Identification of Salmonellae with the 4-Methylumbelliferyl Caprilate Fluorescence Test"; JOURNAL OF CLINICAL MICROBIOLOGY; Vol. 29, No. 11; November 1991; pages 2631-2632.		
	CA1	OUYANG, Shu et al., "Promoter Analysis of the cap8 Operon, Involved in Type 8 Capsular Polysaccharide Production in <i>Staphylococcus aureus</i> "; JOURNAL OF BACTERIOLOGY; Vol. 181, No. 8; April 1999; pages 2492-2500.		
	CB1	PEREZ-PONS, Josep A., et al., "Induction and preliminary characterization of intracellular β -glucosidases from a cellulolytic <i>Streptomyces</i> strain"; FEMS MICROBIOLOGY LETTERS 128 (1995); pages 235-239.		
	CC1	PINDER, A.C. et al., "Rapid assay for pathogenic salmonella organisms by immunofluorescence flow cytometry"; JOURNAL OF MICROSCOPY; Vol. 176, Pt. 1; October 1994; pages 17-22.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
Sheet	5	of	6	Attorney Docket Number	029440.00009

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	CD1	ROBINSON, J. Paul, "Overview of Flow Cytometry and Microbiology"; CURRENT PROTOCOLS IN CYTOMETRY; 2004; 11.1.1-11.1.4; John Wiley and Sons, Inc..		
	CE1	SALZMAN, Gary C., et al., "Rapid Identification of Microorganisms by Circular-Intensity Differential Scattering"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 44, No. 5; November 1982; pages 1081-1085.		
	CF1	SEO, K. H., et al., "Immunomagnetic Separation and Flow Cytometry for Rapid Detection of <i>Escherichia coli</i> O157:H7"; JOURNAL OF FOOD PROTECTION; Vol. 61, No. 7; 1998; pages 812-816.		
	CG1	SHEAGREN, John N., MEDICAL PROGRESS: <i>STAPHYLOCOCCUS AUREUS</i> , The Persistent Pathogen (First of Two Parts); THE NEW ENGLAND JOURNAL OF MEDICINE; May 24, 1984.		
	CH1	SHEAGREN, John N., MEDICAL PROGRESS: <i>STAPHYLOCOCCUS AUREUS</i> , The Persistent Pathogen (Second of Two Parts); THE NEW ENGLAND JOURNAL OF MEDICINE; Vol. 310, No. 22; 1984.		
	CI1	SKJERVE, Eystein, et al., "Detection of <i>Listeria monocytogenes</i> in Foods by Immunomagnetic Separation"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 56, No. 11; November 1990; pages 3478-3481.		
	CJ1	SKJERVE, Eystein, et al., "Immunomagnetic separation of <i>Salmonella</i> from foods"; INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY; 14 (1991); pages 11-18.		
	CK1	SOMPOLINSKY, David et al., "Encapsulation and Capsular Types in Isolates of <i>Staphylococcus aureus</i> from Different Sources and Relationship to Phage Types"; JOURNAL OF CLINICAL MICROBIOLOGY; Vol. 22, No. 5; November 1985; pages 828-834.		
	CL1	SORO, O., et al., "Phosphatase Activity of Staphylococci Is Constitutive in Some Species and Repressed by Phosphates in Others"; JOURNAL OF CLINICAL MICROBIOLOGY; Vol. 28, No. 12; December 1990; pages 2707-2710.		
	CM1	STEEN, Harald B., "Simultaneous Separate Detection of Low Angle and Large Angle Light Scattering in an Arc Lamp-Based Flow Cytometer"; CYTOMETRY 7: 445-449 (1986), Alan R. Liss, Inc.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/529,654
				Filing Date	May 31, 2005
				First Named Inventor	Bruno VEDRINE
				Art Unit	1645
				Examiner Name	O. A. Ogunbiyi
Sheet	6	of	6	Attorney Docket Number	029440.00009

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CN1	TOMOYASU, Takahiro, "Improvement of the Immunomagnetic Separation Method Selective for <i>Escherichia coli</i> O157 Strains"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 64, No. 1; January 1998; pages 376-382.		T ²
	CO1	TORTORELLO, Mary Lou, et al., "Antibody-Direct Epifluorescent Filter Technique for Rapid, Direct Enumeration of <i>Escherichia coli</i> O157:H7 in Beef"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 60, No. 10; October 1994; pages 3553-3559.		
	CP1	TORTORELLO, Mary Lou et al., "Quantitative analysis and isolation of <i>Escherichia coli</i> O157:H7 in a food matrix using flow cytometry and cell sorting"; FEMS IMMUNOLOGY AND MEDICAL MICROBIOLOGY 19 (1998); pages 267-274.		
	CQ1	VENTURI, Leandra Lorice, et al., "Extracellular β-D-glucosidase from <i>Chaetomium thermophilum</i> var. <i>coprophilum</i> : production, purification and some biochemical properties"; J. BASIC MICROBIOL.; Vol. 42 (2002); pages 55-66.		
	CR1	VLIEGER, A.M., et al., "Quantitation of Polymerase Chain Reaction Products by Hybridization-Based Assays with Fluorescent, Colorimetric, or Chemiluminescent Detection ¹ "; ANALYTICAL BIOCHEMISTRY; Vol. 205; (1992); pages 1-7.		
	CS1	WALLNER, Guenter, et al., "Flow Cytometric Analysis of Activated Sludge with rRNA-Targeted Probes"; APPLIED AND ENVIRONMENTAL MICROBIOLOGY; Vol. 61, No. 5; May 1995; pages 1859-1866.		
	CT1	YANG, Ling et al., "A Sennoside-Hydrolyzing β-Glucosidase from <i>Bifidobacterium</i> Sp. Strain SEN Is Inducible"; BIOL. PHARM. BULL.; Vol. 19(5); (1996); pages 701-704.		
	CU1	PCT/FR03/02873 International Search Report dated March 4, 2004		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.